

# Comparisons of Job Characteristics

Focus Occupation: **Dentists, General (29-1021)**

Associated Occupation: **Oral and Maxillofacial Surgeons (29-1022)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Dentists, General (29-1021)

Associated Occupation: Oral and Maxillofacial Surgeons (29-1022)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Medicine and Dentistry	3.7	24.2	22.7	0 Current knowledge level may be sufficient
Customer and Personal Service	11.3	17.7	20.5	> Current knowledge level is likely sufficient
Biology	3.7	15.2	17.4	> Current knowledge level is likely sufficient
Administration and Management	8.4	14.0	12.6	< Expanded education and/or training may be required
Therapy and Counseling	3.8	13.2	5.9	<< Extensive education and/or training may be required
Personnel and Human Resources	5.6	11.5	11.0	0 Current knowledge level may be sufficient
Sales and Marketing	5.2	10.1	8.5	< Expanded education and/or training may be required
Chemistry	4.8	9.6	12.7	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Dentists, General (29-1021)

Associated Occupation: Oral and Maxillofacial Surgeons (29-1022)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Reading Comprehension	10.7	16.1	14.2	< A higher skill level may be required
Critical Thinking	10.8	14.8	15.9	0 Current skill level may be sufficient
Complex Problem Solving	9.1	13.9	13.0	0 Current skill level may be sufficient

Judgment and Decision Making	9.4	13.9	14.6	0	Current skill level may be sufficient
Science	4.5	11.6	12.3	0	Current skill level may be sufficient
Service Orientation	7.9	11.5	12.2	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 96			
Focus Occupation: Dentists, General (29-1021) Associated Occupation: Oral and Maxillofacial Surgeons (29-1022)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	18.4	15.7	<	Some improvement in abilities may be required
Finger Dexterity	7.6	18.2	16.9	0	Current ability level may be sufficient
Control Precision	6.6	17.8	19.2	0	Current ability level may be sufficient
Manual Dexterity	6.5	17.8	14.6	<	Some improvement in abilities may be required
Problem Sensitivity	11.1	17.6	17.6	0	Current ability level may be sufficient
Inductive Reasoning	10.2	15.7	18.8	>	Current ability level is likely sufficient
Deductive Reasoning	10.6	15.1	16.5	0	Current ability level may be sufficient
Information Ordering	9.9	13.8	14.1	0	Current ability level may be sufficient
Selective Attention	8.7	12.6	12.7	0	Current ability level may be sufficient
Wrist-Finger Speed	3.2	8.8	7.1	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 100
Focus Occupation: Dentists, General (29-1021) Associated Occupation: Oral and Maxillofacial Surgeons (29-1022)		
Work Activities	Exclusivity of Activity	
Administer anesthetics	77	
Administer injections	60	
Administer medications or treatments	46	
Analyze dental data	89	
Calculate medical dosages	77	
Collect dental laboratory diagnostic data	89	
Communicate technical information	4	
Conduct patient assessments	69	
Diagnose or treat oral diseases	95	

Diagnose or treat oral injuries	85
Follow clinical radiation safety procedures	77
Follow confidentiality procedures	58
Follow dental or medical office procedures	68
Follow dental or medical x-ray procedures	81
Follow infectious materials procedures	52
Follow patient care procedures	60
Identify body response variations	57
Interpret medical laboratory test results	72
Interpret x-rays	76
Make decisions	24
Make presentations on health or medical issues	50
Monitor patient's condition	87
Observe patient condition	48
Obtain information from clients, customers, or patients	40
Prepare patient reports	66
Prescribe or recommend drugs, medical devices or other forms of treatment	76
Understand properties or composition of drugs	64
Understand technical operating, service or repair manuals	6
Use clinical problem solving techniques	69
Use dental treatment procedures	87
Use emergency medical treatment procedures	76
Use interpersonal communication techniques	10
Use knowledge of medical terminology	40
Use research methodology procedures in health care	63
Use sanitation practices in health care settings	48
Write technical health or medical documents	73

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 88

**Focus Occupation: Dentists, General (29-1021)**  
**Associated Occupation: Oral and Maxillofacial Surgeons (29-1022)**

Tools and Technologies	Exclusivity
Autoclave and sterilizer equipment and accessories	12
Blood pressure units and related products	11
Computers	1
Content authoring and editing software	1
Dental and subspecialty instruments and devices	37
Dental fillers and finishing and polishing supplies	47
Dental imaging equipment and supplies	47
Dental lasers and illumination and fiber optic equipment and supplies	62
Emergency medical services resuscitation products	15

Floor grade instruments	30
General dental supplies	70
Industry specific software	1
Intubation supplies	21
Medical gloves and accessories	19
Medical staff clothing and related articles	17
Oxygen therapy delivery systems and devices	13
Periodontal equipment and supplies	62
Presterilization cleaning equipment and solutions	24
Pulse oximeters	18
Surgical equipment and accessories and related products	23
Viewing and observing instruments and accessories	4
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.